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TITLE: SURFACE-TREATMENT OF CARBON BLACK  
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ABSTRACT:

**PURPOSE:** To obtain carbon black powder having excellent redispersibility in water or in an aqueous medium and suitable as the pigment for water-based paint and ink, etc., by dispersing carbon black particles having specific average particle diameter in water using a surface active agent, removing the ultrafine particles from the dispersion, and drying the dispersion.

**CONSTITUTION:** For example, (A) 100pts.wt. of carbon black having an average particle diameter of  $\geq 250\text{m}\mu$  is dispersed in (B) 200pts.wt. of water using (C) 3pts.wt. of a surface active agent (e.g. condensed product of  $\beta$ -naphthalenesulfonic acid sodium salt and formaldehyde). The dispersion is centrifuged to remove ultrafine powders, and spray-dried at  $100 \sim 180^{\circ}\text{C}$  to obtain the objective carbon black powder.

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(2) 同第3頁第7行目に「安全」とあるを「完全」と修正致します。

(3) 同第3頁第4行目に「水への」とあるを「水への」と修正致します。

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